

Figure 4

## TECHNICAL DESCRIPTION OF DCP PROCESSES

(System fields appear in bold)

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OFFICE OF PETITIONS

I. Annual determination of coverage dates and premiums

For each participant:

If **Coverage Election** = YES

AndIf **Date of Termination** = 00/00/0000 or **Date of Termination** > **Current Effective Date**

Then

For each source of money:

If **Source Eligible for Coverage** = YES

AndIf participant had source contributions

Then

**Coverage Date** = **Current Effective Date**

and

**Source Coverage** = Total prior year's source contributions (net of adjustments and corrections)  
and

**Source Premium** = **Source Coverage** x **Insurance Rate**  
and

**Source Monthly Premium** = **Source Premium** / 12  
and

**Life-To-Date Source Coverage** = **Life-To-Date Source Coverage** + **Source Coverage**

EndIf

EndIf

Next Source

EndIf

EndIf

Next Participant

## II. Annual fund transfer to cover premiums

For each participant:

If **Coverage Date** = **Current Effective Date**

Then

For each source:

If **Source Premium**  $\neq 0$

Then

Sell eligible funds in amount of **Source Premium**  
and

Buy "Disability Premium" Fund in amount of **Source Premium**

EndIf

Next Source

EndIF

Next participant

## III. Monthly sale to pay premiums

For each participant:

If **Date of Termination** = 00/00/0000 or **Date of Termination**  $\geq$  1<sup>st</sup> day of current month

Then

For each source:

If **Source Monthly Premium**  $\neq 0$

Then

Sell "Disability Premium" fund in amount of **Source Monthly Premium**

EndIf

Next source

EndIf

Next participant

**IV. Monthly disability payments**

For each participant:

If Disability Payment Start Date < Current Date

Then

For each source:

If Source Coverage = 0

Then

Purchase funds in amount of monthly payment, according to investment elections

EndIf

Next source

EndIf

Next Participant

**V. Year-End Archive**

For each plan:

Add 1 to Effective Date year

For each participant:

For each source, where T = current year

Source Coverage  $T-1$  = Source Coverage  $T$

Source Premium  $T-1$  = Premium  $T$

Source Coverage  $T=0$

Source Premium  $T=0$

Next source

Next participant

Next plan